

Substitute for form 1449/PTO

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT
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Complete if Known	
Application Number	10/634,630
Filing Date	August 5, 2003
First Named Inventor	Laumeyer et al.
Art Unit	2625
Examiner Name	Not Assigned

Sheet 1 of 4 Attorney Docket Number 2806.01US06

EXAMINER INITIAL ¹	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number-Kind Code ² (if known)		
S.A		US-5,392,365	02-1995	Steinkirchner
		US-5,448,484	09-1995	Bullock et al.
		US-5,465,115	11-1995	Conrad et al.
		US-5,465,308	11-1995	Hucheson et al.
		US-5,627,915	05-1997	Rosser et al.
		US-5,633,944	05-1997	Guibert et al.
		US-5,633,946	05-1997	Lachinski et al.
		US-5,699,444	12-1997	Palm
		US-5,740,274	04-1998	Ono et al.
		US-5,790,691	08-1998	Narayanswamy et al.
		US-5,844,699	12-1998	Usami et al.
		US-5,864,630	01-1999	Cosatto et al.
		US-5,974,521	10-1999	Akerib
		US-5,991,085	11-1999	Rallison
		US-6,064,768	05-2000	Hajj et al.
		US-6,141,433	10-2000	Moed et al.
		US-		
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		US-		

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL ¹	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)			

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Sophia Hayashi

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Sheet 2 of 4

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NON PATENT LITERATURE DOCUMENTS

EXAMINER INITIAL ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
S.A		<i>Landmark Recognition using Projection Learning for Mobile Robot Navigation</i> , Ren C. Luo, Harsh Potlapalli, Center for Robotics and Intelligent Machines, IEEE World Congress on Computational Intelligence, Vol. IV, pgs. 2703-2708, June 1994.	
S.A		<i>A Real-Time Traffic Sign Recognition System</i> , S. Estable, J. Schick, F. Stein, R. Janssen, R. Ott, W. Ritter, Y.-J. Zheng, Daimler-Benz Research Center, Proceedings of the Intelligent Vehicles '94 Symposium, Paris, France, pgs. 213-218, October 1994.	
S.A		<i>Recognition of Traffic Signs by Artificial Neural Network</i> , D. Ghica, S. Lu, X. Yuan, Dept. of Computer Science Memorial University of Newfoundland, IEEE, pgs. 1444-1449, March 1995.	
S.A		<i>Realtime Traffic Sign Recognition (TSR)</i> , Jens Logemann, Ed., Universitat Koblenz - Landau, 3 pgs., November 1997.	
S.A		<i>Registering Multiple Cartographic Models with the Hierarchical Mixture of Experts Algorithm</i> , Simon Moss and Edwin R. Hancock, Dept. of Computer Science, University of New York, IEEE, pgs. 909-914, 1997.	
S.A		<i>Multi-Modal Tracking of Faces for Video Communications</i> , James L. Crowley and Francois Berard, GRAVIR - IMAG, I.N.P. Grenoble, Grenoble, France, IEEE, pgs. 640-645, 1997.	
S.A		<i>Road Traffic Sign Detection and Classification</i> , A. Escalera, L. Moreno, M. Salichs, J. Armengol, IEEE Transactions on Industrial Electronics, Vol. 44, No. 6, pgs. 848-859, December 1997.	
S.A		<i>Dominant Color Transform and Circular Pattern Vector for Traffic Sign Detection and Recognition</i> , Jung Hak and Tae Young Choi, IEICE Transaction Fundamentals, Vol. E81-A, No. 6, pgs. 1128-1135, June 1998.	
S.A		<i>A Trainable Pedestrian Detection System</i> , C. Papageorgiou, T. Evgeniou, T. Poggio, Center for Biological And Computational Learning and Artificial Intelligence Laboratory, MIT, IEEE International Conference on Intelligent Vehicles, pgs. 241-246, 1998.	

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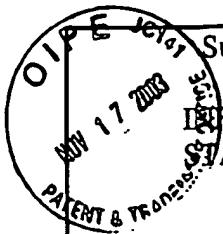
NON PATENT LITERATURE DOCUMENTS

EXAMINER INITIAL ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
S.A		<i>Robust Lane Recognition Embedded in a Real-Time Driver Assistance System</i> , R. Risack, P. Klausmann, W. Krüger, W. Enkelmann, Fraunhofer-Institut für Informations, Karlsruhe, Germany, IEEE International Conference on Intelligent Vehicles, pgs. 35-40, 1998.	
		<i>A Texture-based Object Detection and an Adaptive Model-based Classification</i> , T. Kalinke, C. Tzomakas, W. Seelen, Institut für Neuroinformatik, Bochum, Germany, IEEE International Conference on Intelligent Vehicles, pgs. 143-148, 1998.	
		Internet Printout: <i>The Road Sign Recognition System - RS</i> , Faculty of Transportation Sciences, Prague, Czech Republic, 7 pgs., c. approximately 1999.	
		Internet Printout: <i>The Chamfer System</i> , 4 pgs., c. approximately 1999.	
		<i>Real-Time Object Recognition: Hierarchical Image Matching in a Parallel Virtual Machine Environment</i> , J. You, P. Bhattacharya, S. Hungenhally, School of Computing and Information Technology, Griffith University, Brisbane, Australia, Dept. of Computer Engineering, University of Nebraska, Lincoln, Nebraska, 3 pgs., undated.	
		<i>An Architecture of Object Recognition System for Various Images Based on Multi-Agent</i> , Keiji Yanai, Koichiro Deguchi, Dept. of Computer Science, University of Electro-Communications, Tokyo, Japan, and Dept. of Mathematical Engineering and Information Physics, University of Tokyo, Tokyo, Japan, 4 pgs., undated.	
		<i>Multi-Feature Matching Algorithm for Free-Form 3D Surface Registration</i> , C. Schütz, T. Jost, H. Hügli, Institute for Microtechnology, Neuchatel, Switzerland, 3 pgs., undated.	
↓		<i>Representation of Uncertainty in Spatial Target Tracking</i> , Tim Baker, Malcolm Strens, DERA Farnborough, United Kingdom, 4 pgs., undated.	

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NON PATENT LITERATURE DOCUMENTS

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S.A		<i>Using Centroid Covariance in Target Recognition</i> , Gang Liu and Robert M. Haralick, Dept. of Electrical Engineering, University of Washington, Seattle, Washington, 4 pgs., undated.	
		<i>Using Spatial Sorting and Ranking in Model Based Object Recognition</i> , G. Hjaltason, M. Ray, H. Samet, I. Weiss, Computer Science Dept. University of Maryland, College Park, Maryland, 3 pgs., undated.	
		<i>Surveillance Systems for Terrestrial Transport Safety and Improved User Information Capability</i> , C. Nwagboso, C. Regazzoni, M. Renard, E. Stringa, Bolton Institute, Bolton, United Kingdom, Dept. of Biophysical & Electronic Engineering, Genova, Italy, Vigitec, Brussels, Belgium, pgs. 1-7, undated.	
		<i>Illumination Invariant Image Indexing Using Moments and Wavelets</i> , Mandal, Journal of Electronic Imaging, Vol. 7 (2), pp. 282-293, April 1998.	
		<i>Feature Integration and Relevancy Feedback Analysis in Image Similarity Evaluation</i> , Celentano, Journal of Electronic Imaging, Vol 7 (2), pp. 308-317, April 1998.	
▼		<i>Auto-associative Segmentation for Real-Time Object Recognition in Realistic Outdoor Images</i> , Leonardo Estevez and Nasser Kehtarnavaz, Dept. of Electrical Engineering, Texas A&M University, Journal of Electronic Imaging, Vol. 72, pgs. 378-385, April 1998.	

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<i>S. Almeyer</i>	10/11/03

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